Arizona

Biobased Fuels, Power, and Products State Fact Sheet

Growing a Cleaner, Stronger Economy in Arizona

Arizona has an estimated total installed biomass capacity of 5 MW a year in electricity. The University of Arizona is currently researching promising desert plants as new crops that (1) produce unique, high-value products and (2) require less water. One such crop, Hesperaloe, shows great promise in producing high value fibers for paper making.

The state offers a wood stove deduction for converting an existing wood fireplace into a wood stove. Arizona also has an Environmental Portfolio Standard (EPS) which will require regulated utilities in the state to provide 1.1% of their electricity to come from renewable sources by 2007.

Federal R&D Partners

Agricultural Research Service (Tuscon)

Northern Arizona University (Flagstaff)

University of Arizona (Tucson)

Biomass Resources

Corn:	55,000 acres planted 5,824,000 bushels produced
Wheat:	94,000 acres planted 8,517,000 bushels produced
CRP:	33 acres enrolled
MSW:	5,750,000 tons generated
Forest Land:	19,427,000 acres
Livestock:	983,000 head

Biobased Fuels, Power, and Products in Arizona

Bio-Industry	Sales ($1,000)	Employees	Capacity	Number of Facilities
Power	N/A	N/A	5 MW	3
Fuels	1,300	19	N/A	5
Products	55,685	184	--	7

N/A - no information available

-- Comparative capacity data not available among products

Federally Funded Biomass RD&D in Arizona

Select a project title for details

U.S. Department of Agriculture

- Remote Sensing/Modeling Approach for Farm and Range Management
- Prototyping Value-Added EOS Data for Rangeland Management and Assessment
- Benefits and Hazards Associated with Sewage Sludge Stabilization of Mine Tailings
- Agronomy of Hesperaloe Species - Domestic Sources of High-Value Specialty Fibers
- Agricultural Productivity and Water Use: Effects of Global Change
- Quantitative Remote Sensing Approaches for Monitoring and Managing Agricultural Resources
- The Use of Atoxgenic Strains of Aspergillus Flavus to Prevent Aflatoxin Contamination
- Productivity and Water Use of Crops as Influenced by Global Change
- The Effect of Lipopolysaccharide Chain Length and Composition on Microbial Cell Adhesion
- Retrospective Analysis of Crownfires, Prescribed Fires, And Thinnings
- Development of Satellite-Derived Begetation Measures Specific to Arid/Semiarid Regions

For additional information on RD&D Projects, please click on the project

For additional information on state activities, please contact:

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Data sources and the data collection methodology for the "Biobased Fuels, Power, and Products State Profiles" are available at http://www.bioproducts-bioenergy.gov/.

January 2003